

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME
the specification of which:

- ☐ is attached hereto.
☐ was filed on _____ as Application Serial No. _____ and was amended on _____.
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations. §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112. I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Serial No.	Filing Date	Status
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I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Country	Application No.	Filing Date	Priority Claimed
Japan	2000-234913	August 2, 2000	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John F. Hayden, Reg. No. 37,640; Scott C. Harris, Reg. No. 32,030; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; William E. Booth, Reg. No. 28,933; Ruffin B. Cordell, Reg. No. 33,487; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; Ralph A.

Combined Declaration and Power of Attorney

Page 2 of 4 Pages

Mittelberger, Reg. No. 33,195; John B. Pegram, Reg. No. 25,198; Rene D. Tegtmeier, Reg. No. 33,567; Charles C. Winchester, Reg. No. 21,040; William D. Hare, Reg. No. 44,739; James E. Mrose, Reg. No. 33,264; Lauren A. Degnan, Reg. No. 40,584; Andrew F. Bodendorf, Reg. No. 39,537; Robert V. Racunas, Jr., Reg. No. 43,027; Diana DiBerardino, Reg. No. 45,653; W. Karl Renner, Reg. No. 41,265; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Joseph V. Colaianni, Jr., Reg. No. 39,948; Gregory A. Walters, Reg. No. 41,366; R. Whitney Winston, Reg. No. 44,432; Bing Ai, Reg. No. 43,312; N. Thane Bauz, Reg. No. 41,604; Robert Bedgood, Ph.D., Reg. No. 43,488; Gregory P. Einhorn, Reg. No. 38,440; Diane L. Gardner, Reg. No. 36,518; James T. Hagler, Reg. No. 40,631; Kenyon S. Jenckes, Reg. No. 41,873; Samuel S. Lee, Reg. No. 42,791; Christopher S. Marchese, Reg. No. 37,177; Todd G. Miller, Reg. No. 42,003; Shekhar Vyas, Reg. No. 46,166; and John R. Wetherell, Jr., Ph.D., Reg. No. 31,678.

Address all telephone calls to John F. Hayden at telephone number (202) 783-5070.

Address all correspondence to John F. Hayden at:

FISH & RICHARDSON P.C.
601 Thirteenth St., N.W.
Washington, DC 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Taketomi ASAMI

Inventor's Signature: Taketomi Asami

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Inventor's Signature: Mitsuhiro ICHIJO

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Date: 07/18/2001

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Full Name of Inventor: Shunpei YAMAZAKI

Inventor's Signature: Shunpei Yamazaki Date: 07/20/2001
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Combined Declaration and Power of Attorney

Page 4 of 4 Pages

Full Name of Inventor: Takeshi SHICHI

Inventor's Signature: Takeshi SHICHI

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Residence Address: Kanagawa, Japan

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Post Office Address: C/O Semiconductor Energy Laboratory Co., Ltd.
398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan



CORRECTED JFH
NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE

12732-061001

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 08, 2003

PTAS

FISH & RICHARDSON P.C.
JOHN F. HAYDEN
601 13TH STREET, NW
WASHINGTON, DC 20005

* No Docking Required *
Reviewed By Practice Systems
Initials: <i>JFH</i>
Reviewed By: <i>Chaf</i>

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/15/2001

REEL/FRAME: 012308/0802
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ASAMI, TAKETOMI

DOC DATE: 07/16/2001

ASSIGNOR:

ICHIJO, MITSUHIRO

DOC DATE: 07/16/2001

ASSIGNOR:

TORIUMI, SATOHSI

DOC DATE: 07/18/2001

ASSIGNOR:

OHTSUKI, TAKASHI

DOC DATE: 07/16/2001

ASSIGNOR:

MITSUKI, TORU

DOC DATE: 07/16/2001

ASSIGNOR:

KASAHARA, KENJI

DOC DATE: 07/16/2001

012308/0802 PAGE 2

ASSIGNOR:
TAKANO, TAMAE

DOC DATE: 07/16/2001

ASSIGNOR:
KOKUBO, CHIHO

DOC DATE: 07/16/2001

ASSIGNOR:
YAMAZAKI, SHUNPEI

DOC DATE: 07/21/2001

ASSIGNOR:
SHICHI, TAKESHI

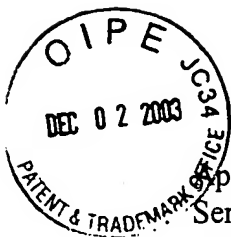
DOC DATE: 07/17/2001

ASSIGNEE:
SEMICONDUCTOR ENERGY LABORATORY
CO., LTD.
398 HASE ATSUGI-SHI
KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 09918547
PATENT NUMBER:

FILING DATE: 08/01/2001
ISSUE DATE:

DIANE RUSSELE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Taketomi ASAMI et al. Art Unit : 2822
Serial No. : 09/918,547 Examiner : Jeff B. Vockrodt
Filed : August 1, 2001 Confirmation No.: 3844
Title : SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE
SAME

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST TO CORRECT NOTICE OF RECORDATION
OF ASSIGNMENT DOCUMENT

Applicants request that the spelling of the Assignee's city be corrected (change "Atsughi-shi" to "Atsugi-shi") on the Notice of Recordation of Assignment Document for the above case. The mistake was made by the Patent Office as evidenced by the attached Assignment and Recordation Form Cover Sheet, copies of which are enclosed.

Please correct the address to read as follows:

Semiconductor Energy Laboratory Co., Ltd.
398 Hase Atsugi-shi
Kanagawa-ken, 243-0036, JAPAN

No fee is believed to be due. Please apply any charges or credits to our Deposit Account No. 06-1050.

Respectfully submitted,

Date: December 2, 2003



John F. Hayden
Reg. No. 37,640

Customer No. 26171
Fish & Richardson P.C.
1425 K Street, N.W., 11th Floor
Washington, DC 20005-3500
(202) 783-5070 telephone
(202) 783-2331 facsimile

11-20-2001



101898335

COVER SHEET
ONLY

RE

11/15/01

Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

1) Taketomi Asami; 2) Mitsuhiro Ichijo; 3) Satoshi Toriumi; 4) Takashi Ohtsuki; 5) Toru Mitsuki; 6) Kenji Kasahara; 7) Tamae Takano; 8) Chiho Kokubo; 9) Shunpei Yamazaki; and 10) Takeshi Shichi

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Semiconductor Energy Laboratory Co., Ltd.
398 Hase Atsugi-shi
Kanagawa-ken 243-0036
JAPAN

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☒ Other: Response to notice of non-recording of document

Execution Date: 1) July 16, 2001; 2) July 16, 2001; 3) July 18, 2001; 4) July 16, 2001; 5) July 16, 2001; 6) July 16, 2001; 7) July 16, 2001; 8) July 16, 2001; 9) July 21, 2001; and 10) July 17, 2001

Additional names/addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

1) July 16, 2001; 2) July 16, 2001; 3) July 18, 2001; 4) July 16, 2001; 5) July 16, 2001; 6) July 16, 2001; 7) July 16, 2001; 8) July 16, 2001; 9) July 20, 2001; and 10) July 17, 2001

A. Patent Application No(s):

09/918,547

B: Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

JOHN F. HAYDEN
Fish & Richardson P.C.
601 Thirteenth Street, NW
Washington, DC 20005

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR §3.41): \$40

- ☐ Enclosed
☐ Authorized to charge Deposit Account.
☒ Previously paid

8. Deposit Account No.: 06-1050

☒ Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

9. Statement and Signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

John F. Hayden

Reg. No. 37,640

Name of Person Signing

Signature

Date

November 15, 2001

Total number of pages including coversheet, attachments and document: 3

ASSIGNMENT

For valuable consideration, We, Taketomi ASAMI of Atsugi, Kanagawa, Japan. Mitsuhiro ICHIGO of Atsugi, Kanagawa, Japan, Satoshi TORIUMI of Atsugi, Kanagawa, Japan, Takashi OHTSUKI of Atsugi, Kanagawa, Japan, Toru MITSUKI of Atsugi, Kanagawa, Japan, Kenji KASAHARA of Atsugi, Kanagawa, Japan. Tamae TAKANO of Atsugi, Kanagawa, Japan, Chiho KOKUBO of Atsugi, Kanagawa, Japan. Shunpei YAMAZAKI of Setagaya, Tokyo, Japan and Takeshi SHICHI of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

filed on _____, and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature: Taketomi Asami

Name: Taketomi ASAMI

Date: 07/16/2001

Signature: Mitsuhiro ICHIGO

Name: Mitsuhiro ICHIGO

Date: 07/16/2001

Signature: Satoshi Toriumi
Name: Satoshi TORIUMI
Date: 07 / 18 / 2001

Signature: Takashi Ohtsuki
Name: Takashi OHTSUKI
Date: 07 / 16 / 2001

Signature: Toru Mitsuki
Name: Toru MITSUKI
Date: 07 / 16 / 2001

Signature: Kenji Kasahara
Name: Kenji KASAHARA
Date: 07 / 16 / 2001

Signature: Tamae Takano
Name: Tamae TAKANO
Date: 07 / 16 / 2001

Signature: Chiho Kokubo
Name: Chiho KOKUBO
Date: 07 / 16 / 2001

Signature: Shunpei Yamazaki
Name: Shunpei YAMAZAKI
Date: 07 / 21 / 2001

Signature: Takeshi SHICHI
Name: Takeshi SHICHI
Date: 07 / 17 / 2001

ASSIGNMENT

For valuable consideration, We, Taketomi ASAMI of Atsugi, Kanagawa, Japan. Mitsuhiro ICHIO of Atsugi, Kanagawa, Japan, Satoshi TORIUMI of Atsugi, Kanagawa, Japan. Takashi OHTSUKI of Atsugi, Kanagawa, Japan, Toru MITSUKI of Atsugi, Kanagawa, Japan. Kenji KASAHARA of Atsugi, Kanagawa, Japan. Tamae TAKANO of Atsugi, Kanagawa, Japan. Chiho KOKUBO of Atsugi, Kanagawa, Japan. Shunpei YAMAZAKI of Setagaya, Tokyo, Japan and Takeshi SHICHI of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

filed on _____, and assigned U.S. Serial Number _____, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature: Taketomi Asami

Name: Taketomi ASAMI

Date: 07/16/2001

Signature: Mitsuhiro ICHIO

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Date: 07/16/2001

Signature: Satoshi Toriumi
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Date: 07 / 18 / 2001

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Name: Takashi OHTSUKI
Date: 07 / 16 / 2001

Signature: Toru Mitsuki
Name: Toru MITSUKI
Date: 07 / 16 / 2001

Signature: Kenji Kasahara
Name: Kenji KASAHARA
Date: 07 / 16 / 2001

Signature: Tamae Takano
Name: Tamae TAKANO
Date: 07 / 16 / 2001

Signature: Chiho Kokubo
Name: Chiho KOKUBO
Date: 07 / 16 / 2001

Signature: Shunpei Yamazaki
Name: Shunpei YAMAZAKI
Date: 07 / 21 / 2001

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